GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: June 12, 2003, 00:44:04 ; Search time 691 Seconds
(without alignments)
11190.223 Million cell updates/sec

Title: US-09-515-806A-1
Perfect score: 5525
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 870385 seqs, 699768693 residues

Total number of hits satisfying chosen parameters: 1740770

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_NA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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	2	4733	85.7	4989	9	US-09-842-758-3	Sequence 3, Appli
	3	2928.8	53.0	2946	9	US-09-836-392-6	Sequence 6, Appli
	4	2144.6	38.8	2200	10	US-09-925-301-184	Sequence 184, App
	5	517.4	9.4	519	10	US-09-998-598-753	Sequence 753, App
	6	362.8	6.6	419	9	US-09-918-995-24436	Sequence 24436, A
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c	8	198.6	3.6	19616	10	US-09-764-877-3220	Sequence 3220, Ap
	9	191	3.5	147309	10	US-09-742-312-3	Sequence 3, Appli
	10	189.2	3.4	1212	9	US-09-892-877-93	Sequence 93, Appl
	11	189.2	3.4	1212	9	US-09-948-783-92	Sequence 92, Appl
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ALIGNMENTS

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RESULT 1
US-09-515-806-1
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; Patent No. US20020132321A1
; GENERAL INFORMATION:
;  APPLICANT:  COOK, WILLIAM J.
;  APPLICANT:  KAPELLER-LIBERMANN, ROSANA
;  TITLE OF INVENTION:  14790, NOVEL PROTEIN KINASE MOLECULE AND USES THEREFOR
;  FILE REFERENCE:  38155-20002.00
;  CURRENT APPLICATION NUMBER: US/09/515,806
;  CURRENT FILING DATE:  2000-02-29
;  NUMBER OF SEQ ID NOS:  32
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 5525
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (63)..(4991)
US-09-515-806-1

  Query Match             100.0%;  Score 5525;  DB 10;  Length 5525;
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  Matches 5525;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Qy       3181 CCCCTGCCATCGATTACACCTATGACAGCGACATACTGAAGGGCAACTTCTCAATCCGTA 3240
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy       3241 CAGCCAAGATGCAGCAGCATGTGTGTGAAACCATCATCCGCATCTTTAAAAGACATGGAG 3300
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy       3361 AAGCTGCCCTATTCATGGACCACAGCGGGATGCTGGTGATGCTTCCTTTTGACCTGCGGA 3420
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Qy       3421 TCCCTTTTGCAAGATATGTGGCAAGAAATAATATATTGAATTTAAAACGATACTGCATAG 3480
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Db       3421 TCCCTTTTGCAAGATATGTGGCAAGAAATAATATATTGAATTTAAAACGATACTGCATAG 3480
Qy       3481 AACGTGTGTTCAGGCCGCGCAAGTTAGATCGATTTCATCCCAAAGAACTTCTGGAGTGTG 3540
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       3481 AACGTGTGTTCAGGCCGCGCAAGTTAGATCGATTTCATCCCAAAGAACTTCTGGAGTGTG 3540
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Qy       3541 CATTTGATATTGTCACTTCTACCACCAACAGCTTTCTGCCCACTGCTGAAATTATCTACA 3600
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       3541 CATTTGATATTGTCACTTCTACCACCAACAGCTTTCTGCCCACTGCTGAAATTATCTACA 3600
Qy       3601 CTATCTATGAAATCATCCAAGAGTTTCCAGCACTTCAGGAAAGAAATTACAGTATTTATT 3660
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Db       3601 CTATCTATGAAATCATCCAAGAGTTTCCAGCACTTCAGGAAAGAAATTACAGTATTTATT 3660
Qy       3661 TGAACCATACCATGTTATTGAAAGCAATACTCTTACACTGTGGGATCCCAGAAGATAAAC 3720
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       3661 TGAACCATACCATGTTATTGAAAGCAATACTCTTACACTGTGGGATCCCAGAAGATAAAC 3720
Qy       3721 TCAGTCAAGTCTACATTATTCTGTATGATGCTGTGACAGAGAAGCTGACGAGGAGAGAAG 3780
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       3721 TCAGTCAAGTCTACATTATTCTGTATGATGCTGTGACAGAGAAGCTGACGAGGAGAGAAG 3780
Qy       3781 TGGAAGCTAAATTTTGTAATCTGTCTTTGTCTTCTAATAGTCTGTGTCGACTCTACAAGT 3840
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy       3841 TTATTGAACAGAAGGGAGATTTGCAAGATCTTATGCCAACAATAAATTCATTAATAAAAC 3900
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy       3901 AGAAAACAGGTATTGCACAGTTGGTGAAGTATGGCTTAAAAGACCTAGAGGAGGTTGTTG 3960
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Qy       3961 GACTGTTGAAGAAACTCGGCATCAAGTTACAGGTCTTGATCAATTTGGGCTTGGTTTACA 4020
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Qy       4081 GGGCTGTACCTGAAATCCTCGCAGCTGGAGGCAGATATGACCTGCTGATTCCCCAGTTTA 4140
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       4081 GGGCTGTACCTGAAATCCTCGCAGCTGGAGGCAGATATGACCTGCTGATTCCCCAGTTTA 4140
Qy       4141 GAGGGCCACAAGCTCTGGGGCCAGTTCCCACTGCCATTGGGGTCAGCATAGCTATAGACA 4200
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy       4201 AGATATCTGCTGCTGTCCTCAACATGGAGGAATCTGTTACAATAAGCTCTTGTGACCTCC 4260
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Db       4201 AGATATCTGCTGCTGTCCTCAACATGGAGGAATCTGTTACAATAAGCTCTTGTGACCTCC 4260
Qy       4261 TGGTTGTAAGTGTTGGTCAGATGTCTATGTCCAGGGCCATCAACCTAACCCAGAAACTCT 4320
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy       4321 GGACAGCAGGCATCACAGCAGAAATCATGTACGACTGGTCACAGTCCCAAGAGGAATTAC 4380
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Qy       4381 AAGAGTACTGCAGACATCATGAAATCACCTATGTGGCCCTTGTCTCGGATAAAGAAGGAA 4440
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       4381 AAGAGTACTGCAGACATCATGAAATCACCTATGTGGCCCTTGTCTCGGATAAAGAAGGAA 4440
Qy       4441 GCCATGTCAAGGTTAAGTCTTTCGAGAAGGAAAGGCAGACAGAGAAGCGTGTGCTGGAGA 4500
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       4441 GCCATGTCAAGGTTAAGTCTTTCGAGAAGGAAAGGCAGACAGAGAAGCGTGTGCTGGAGA 4500
Qy       4501 CTGAACTTGTGGACCATGTACTGCAGAAACTGAGGACTAAAGTCACTGATGAAAGGAATG 4560
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       4501 CTGAACTTGTGGACCATGTACTGCAGAAACTGAGGACTAAAGTCACTGATGAAAGGAATG 4560
Qy       4561 GCAGAGAAGCTTCCGATAATCTTGCAGTGCAAAATCTGAAGGGGTCATTTTCTAATGCTT 4620
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       4561 GCAGAGAAGCTTCCGATAATCTTGCAGTGCAAAATCTGAAGGGGTCATTTTCTAATGCTT 4620
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Qy       4681 AGAAGCTGTCAGCCAGCACTAGGAGGCGCTATGAAACTCAGGTACAAACTCGACTTCAGA 4740
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Qy       4741 CCTCCCTTGCCAACTTACATCAGAAAAGCAGTGAAATTGAAATTCTGGCTGTGGATCTAC 4800
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Qy       4801 CCAAAGAAACAATATTACAGTTTTTATCATTAGAGTGGGATGCTGATGAACAGGCATTTA 4860
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Db       4981 ATAGAGATGACTACTACAGAATCTTATTTTAACCCTAAAGAACTGTCGTTAACCTCATTC 5040

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Qy       5101 TAAATTCTAAGAAGAGGCTGGGTGCAGTGGCTCACACCTTTAATCCCAGCACTTTGGGAA 5160
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Db       5401 AAAAAAGAAAAAAAAAATTTTTTTTCTAAGAAGCTGTCCTACAAAGTTGAGCTTTGTTAGT 5460

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RESULT 2
US-09-842-758-3
; Sequence 3, Application US/09842758
; Publication No. US20030083244A1
; GENERAL INFORMATION:
;  APPLICANT: Vernet, Corine A. M.
;  APPLICANT:  Fernandes, Elma R
;  APPLICANT:  Gerlach, Valerie
;  APPLICANT:  Shimkets, Richard A
;  APPLICANT:  Malyankar, Uriel M
;  APPLICANT:  Boldog, Ferenc L
;  APPLICANT:  Zerhusen, Bryan D
;  APPLICANT:  Spytek, Kimberly A
;  APPLICANT:  Majumder, Kumud
;  APPLICANT:  Tchernev, Velizar T
;  APPLICANT:  Padigaru, Muralidhara
;  APPLICANT:  Patturajan, Meera
;  APPLICANT:  Burgess, Catherine E
;  APPLICANT:  Gangolli, Esha A
;  APPLICANT:  Smithson, Glennda
;  APPLICANT:  Rastelli, Luca
;  APPLICANT:  MacDougall, John R
;  APPLICANT:  Taupier, Raymond J
;  APPLICANT:  Grosse, William M
;  APPLICANT:  Edward, Szekeres S
;  APPLICANT:  Alsobrook II, John P
;  TITLE OF INVENTION: No. US20030083244A1el Proteins and Nucleic Acids Encoding Same
;  FILE REFERENCE: 15966-783
;  CURRENT APPLICATION NUMBER: US/09/842,758
;  CURRENT FILING DATE:  2001-04-25
;  PRIOR APPLICATION NUMBER: 60/200,158
;  PRIOR FILING DATE: 2000-04-26
;  PRIOR APPLICATION NUMBER: 60/200,613
;  PRIOR FILING DATE: 2000-04-28
;  PRIOR APPLICATION NUMBER: 60/200,780
;  PRIOR FILING DATE: 2000-04-28
;  PRIOR APPLICATION NUMBER: 60/201,006
;  PRIOR FILING DATE: 2000-05-01
;  PRIOR APPLICATION NUMBER: 60/201,007
;  PRIOR FILING DATE: 2000-05-01
;  PRIOR APPLICATION NUMBER: 60/201,236
;  PRIOR FILING DATE: 2000-05-01
;  PRIOR APPLICATION NUMBER: 60/201,238
;  PRIOR FILING DATE: 2000-05-01
;  PRIOR APPLICATION NUMBER: 60/201,186
;  PRIOR FILING DATE: 2000-05-02
;  PRIOR APPLICATION NUMBER: 60/201,474
;  PRIOR FILING DATE: 2000-05-03
;  PRIOR APPLICATION NUMBER: 60/201,508
;  PRIOR FILING DATE: 2000-05-03
;  PRIOR APPLICATION NUMBER: 60/220,591
;  PRIOR FILING DATE: 2000-07-25
;  PRIOR APPLICATION NUMBER: 60/232,678
;  PRIOR FILING DATE: 2000-09-15
;  PRIOR APPLICATION NUMBER: 60/263,217
;  PRIOR FILING DATE: 2001-01-22
;  PRIOR APPLICATION NUMBER: 60/265,160
;  PRIOR FILING DATE: 2001-01-30
;  NUMBER OF SEQ ID NOS: 113
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
;   LENGTH: 4989
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-842-758-3

  Query Match            85.7%;  Score 4733;  DB 9;  Length 4989;
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  Matches 4911;  Conservative    0;  Mismatches   35;  Indels   47;  Gaps   11;

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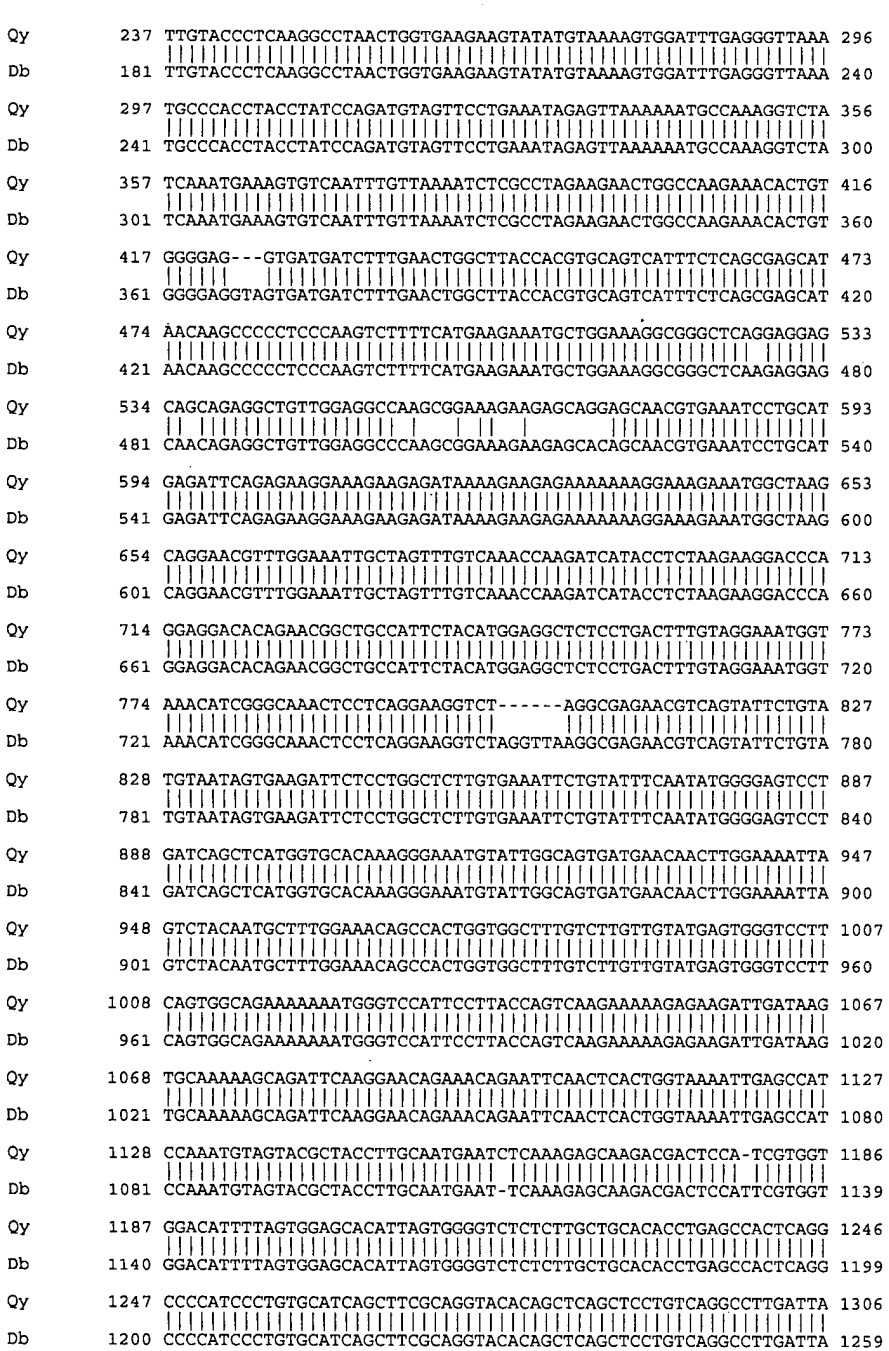
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Db 241 TGCCCACCTACCTATCCAGATGTAGTTCCTGAAATAGAGTTAAAAAATGCCAAAGGTCTA 300
Qy 357 TCAAATGAAAGTGTCAATTTGTTAAAATCTCGCCTAGAAGAACTGGCCAAGAAACACTGT 416
Db 301 TCAAATGAAAGTGTCAATTTGTTAAAATCTCGCCTAGAAGAACTGGCCAAGAAACACTGT 360
Qy 417 GGGGAG---GTGATGATCTTTGAACTGGCTTACCACGTGCAGTCATTTCTCAGCGAGCAT 473
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Qy 474 AACAAGCCCCCTCCCAAGTCTTTTCATGAAGAAATGCTGGAAAGGCGGGCTCAGGAGGAG 533
Db 421 AACAAGCCCCCTCCCAAGTCTTTTCATGAAGAAATGCTGGAAAGGCGGGCTCAAGAGGAG 480
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Db 541 GAGATTCAGAGAAGGAAAGAAGAGATAAAAGAAGAGAAAAAAAGGAAAGAAATGGCTAAG 600
Qy 654 CAGGAACGTTTGGAAATTGCTAGTTTGTCAAACCAAGATCATACCTCTAAGAAGGACCCA 713
Db 601 CAGGAACGTTTGGAAATTGCTAGTTTGTCAAACCAAGATCATACCTCTAAGAAGGACCCA 660
Qy 714 GGAGGACACAGAACGGCTGCCATTCTACATGGAGGCTCTCCTGACTTTGTAGGAAATGGT 773
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Qy 774 AAACATCGGGCAAACTCCTCAGGAAGGTCT------AGGCGAGAACGTCAGTATTCTGTA 827
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Qy 828 TGTAATAGTGAAGATTCTCCTGGCTCTTGTGAAATTCTGTATTTCAATATGGGGAGTCCT 887
Db 781 TGTAATAGTGAAGATTCTCCTGGCTCTTGTGAAATTCTGTATTTCAATATGGGGAGTCCT 840
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Qy 1187 GGACATTTTAGTGGAGCACATTAGTGGGGTCTCTCTTGCTGCACACCTGAGCCACTCAGG 1246
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Qy 1307 TCTGCACAGCAATTCTGTGGTGCATAAGGTCCTGAGTGCATCTAATGTCTTGGTGGATGC 1366
Db 1260 TCTGCACAGCAATTCTGTGGTGCATAAGGTCCTGAGTGCATCTAATGTCTTGGTGGATGC 1319
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Db 1380 GGAGGATGTGTTTGAGCAAACCCGAGTTCGTTTTAGTGACAATGCTCTGCCTTATAAAAC 1439
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Db 1440 GGGGAAGAAAGGAGATGTTTGGCGTCTTGGCCTTCTGCTGCTGTCCCTCAGCCAAGGACA 1499
Qy 1547 GGAATGTGGAGAGTACCCTGTGACCATCCCTAGTGACTTACCAGCTGACTTTCAAGATTT 1606
Db 1500 GGAATGTGGAGAGTACCCTGTGACCATCCCTAGTGACTTACCAGCTGACTTTCAAGATTT 1559
Qy 1607 TCTAAAGAA---ATGTGTGTGCTTGGATGACAAGGAAAGATGGAGTCCCCAGCAGTTGTT 1663
Db 1560 TCTAAAGAAGAGATGTGTGTGCTTGGATGACAAGGAAAGATGGAGTCCCCAGCAGTTGTT 1619
Qy 1664 GAAACACAGCTTTATAAATCCCCAGCCAAAAATGCCTCTAGTGGAACAAAGTCCTGAAGA 1723
Db 1620 GAAACACAGCTTTATAAATCCCCAGCCAAAAATGCCTCTAGTGGAACAAAGTCCTGAA-- 1677
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Db 1678 -TCTGAAGGACAAGATTATGTTGAGACTGTTATTCCTAGCAACCGGCTACCCAGTGCTGC 1736
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Qy 2084 CCTGGCCAAGGATGACCGAGCTGCACGCGGGCAGCCGGCGAGCGACACAGACGGCCTGGA 2143
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Qy 2264 GGACGACGACGAGGACGAGCACGGTGGCGTCTTCTCCCAGTCCTTCCTGCCTGCTTCAGA 2323
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Db 2277 TTCTGAAAGTGATATTATCTTTGACAATGAAGATGAGAACAGTAAAAGTCAGAATCAGGA 2336
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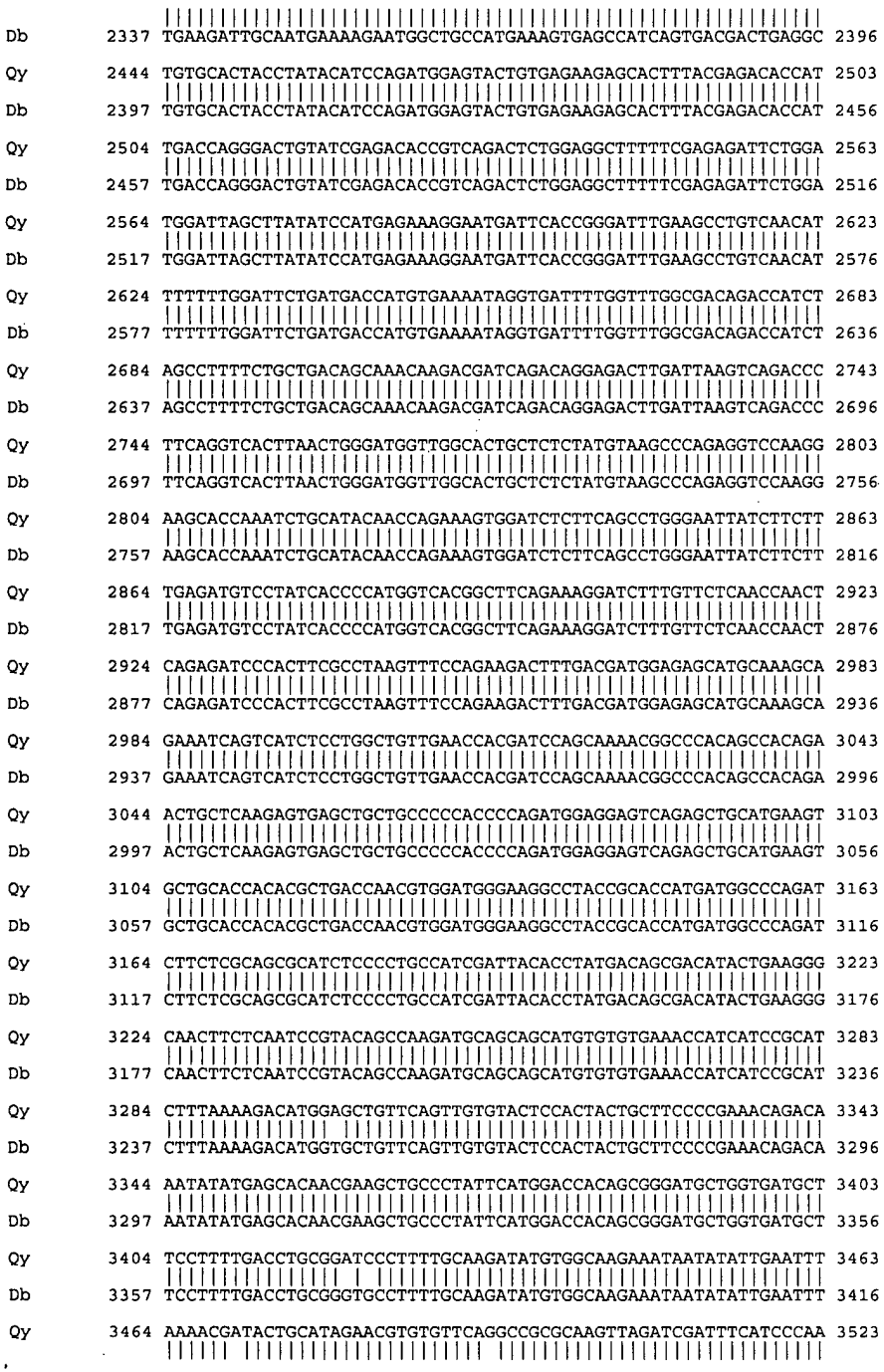
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Qy 2444 TGTGCACTACCTATACATCCAGATGGAGTACTGTGAGAAGAGCACTTTACGAGACACCAT 2503
Db 2397 TGTGCACTACCTATACATCCAGATGGAGTACTGTGAGAAGAGCACTTTACGAGACACCAT 2456
Qy 2504 TGACCAGGGACTGTATCGAGACACCGTCAGACTCTGGAGGCTTTTTCGAGAGATTCTGGA 2563
Db 2457 TGACCAGGGACTGTATCGAGACACCGTCAGACTCTGGAGGCTTTTTCGAGAGATTCTGGA 2516
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Db 2577 TTTTTTGGATTCTGATGACCATGTGAAAATAGGTGATTTTGGTTTGGCGACAGACCATCT 2636
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RESULT 3
US-09-836-392-6
; Sequence 6, Application US/09836392
; Patent No. US20020173458A1
; GENERAL INFORMATION:
;  APPLICANT: Ruben et al.
;  TITLE OF INVENTION: Protein Tyrosine Kinase Receptor Polynucleotides, Polypeptides, a
;  TITLE OF INVENTION:  Antibodies
;  FILE REFERENCE: PT020P1
;  CURRENT APPLICATION NUMBER: US/09/836,392
;  CURRENT FILING DATE:  2001-04-18
;  PRIOR APPLICATION NUMBER: PCT/US00/28066
;  PRIOR FILING DATE: 2000-10-11
;  PRIOR APPLICATION NUMBER: 60/159,542
;  PRIOR FILING DATE: 1999-10-15
;  PRIOR APPLICATION NUMBER: 60/165,914
;  PRIOR FILING DATE: 1999-11-17
;  PRIOR APPLICATION NUMBER: 60/189,027
;  PRIOR FILING DATE: 2000-03-14
;  NUMBER OF SEQ ID NOS: 34
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
;   LENGTH: 2946
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-836-392-6

  Query Match           53.0%;  Score 2928.8;  DB 9;  Length 2946;
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Db        672 GCACCATGATGGCCCAGATCTTCTCGCAGCGCATCTCCCCTGCCATCGATTACACCTATG 731

Qy       3205 ACAGCGACATACTGAAGGGCAACTTCTCAATCCGTACAGCCAAGATGCAGCAGCATGTGT 3264
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy       3265 GTGAAACCATCATCCGCATCTTTAAAAGACATGGAGCTGTTCAGTTGTGTACTCCACTAC 3324
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        792 GTGAAACCATCATCCGCATCTTTAAAAGACATGGAGCTGTTCAGTTGTGTACTCCACTAC 851

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             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1092 CCAACAGCTTTCTGCCCACTGCTGAAATTATCTACACTATCTATGAAATCATCCAAGAGT 1151

Qy       3625 TTCCAGCACTTCAGGAAAGAAATTACAGTATTTATTTGAACCATACCATGTTATTGAAAG 3684
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1152 TTCCAGCACTTCAGGAAAGAAATTACAGTATTTATTTGAACCATACCATGTTATTGAAAG 1211

Qy       3685 CAATACTCTTACACTGTGGGATCCCAGAAGATAAACTCAGTCAAGTCTACATTATTCTGT 3744
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Db       1212 CAATACTCTTACACTGTGGGATCCCAGAAGATAAACTCAGTCAAGTCTACATTATTCTGT 1271
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Qy       4345 TCATGTACGACTGGTCACAGTCCCAAGAGGAATTACAAGAGTACTGCAGACATCATGAAA 4404
Db       1872 TCATGTACGACTGGTCACAGTCCCAAGAGGAATTACAAGAGTACTGCAGACATCATGAAA 1931
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Qy       4465 AGAAGGAAAGGCAGACAGAGAAGCGTGTGCTGGAGACTGAACTTGTGGACCATGTACTGC 4524
Db       1992 AGAAGGAAAGGCAGACAGAGAAGCGTGTGCTGGAGACTGAACTTGTGGACCATGTACTGC 2051
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Db       2892 AGTCTGGGACAACAGAGCAAGACCCTGTCTTAAAAAAAAAAAAAAAAAAAAA 2943
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RESULT 4
US-09-925-301-184
; Sequence 184, Application US/09925301
; Patent No. US20020052308A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA106
; CURRENT APPLICATION NUMBER: US/09/925,301
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05882
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1694
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 184
; LENGTH: 2200
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (2096)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (2140)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (2157)
; OTHER INFORMATION: n equals a,t,g, or c

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;   NAME/KEY: misc_feature
;   LOCATION: (2181)
;   OTHER INFORMATION: n equals a,t,g, or c
;   NAME/KEY: misc_feature
;   LOCATION: (2184)
;   OTHER INFORMATION: n equals a,t,g, or c
US-09-925-301-184

  Query Match             38.8%;  Score 2144.6;  DB 10;  Length 2200;
  Best Local Similarity   99.0%;  Pred. No. 0;
  Matches 2173;  Conservative    2;  Mismatches   16;  Indels    3;  Gaps    2;

Qy       3206 CAGCGACATACTGAAGGGCAACTTCTCAATCCGTACAGCCAAGATGCAGCAGCATGTGTG 3265
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          9 CAGCGACATACTGAAGGGCAACTTCTCAATCCGTACAGCCAAGATGCAGCAGCATGTGTG 68

Qy       3266 TGAAACCATCATCCGCATCTTTAAAAGACATGGAGCTGTTCAGTTGTGTACTCCACTACT 3325
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         69 TGAAACCATCATCCGCATCTTTAAAAGACATGGAGCTGTTCAGTTGTGTACTCCACTACT 128

Qy       3326 GCTTCCCCGAAACAGACAAATATATGAGCACAACGAAGCTGCCCTATTCATGGACCACAG 3385
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        129 GCTTCCCCGAAACAGACAAATATATGAGCACAACGAAGCTGCCCTATTCATGGACCACAG 188

Qy       3386 CGGGATGCTGGTGATGCTTCCTTTTGACCTGCGGATCCCTTTTGCAAGATATGTGGCAAG 3445
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        189 CGGGATGCTGGTGATGCTTCCTTTTGACCTGCGGATCCCTTTTGCAAGATATGTGGCAAG 248

Qy       3446 AAATAATATATTGAATTTAAAACGATACTGCATAGAACGTGTGTTCAGGCCGCGCAAGTT 3505
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        249 AAATAATATATTGAATTTAAAACGATACTGCATAGAACGTGTGTTCAGGCCGCGCAAGTT 308

Qy       3506 AGATCGATTTCATCCCAAAGAACTTCTGGAGTGTGCATTTGATATTGTCACTTCTACCAC 3565
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        309 AGATCGATTTCATCCCAAAGAACTTCTGGAGTGTGCATTTGATATTGTCACTTCTACCAC 368

Qy       3566 CAACAGCTTTCTGCCCACTGCTGAAATTATCTACACTATCTATGAAATCATCCAAGAGTT 3625
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        369 CAACAGCTTTCTGCCCACTGCTGAAATTATCTACACTATCTATGAAATCATCCAAGAGTT 428

Qy       3626 TCCAGCACTTCAGGAAAGAAATTACAGTATTTATTTGAACCATACCATGTTATTGAAAGC 3685
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        429 TCCAGCACTTCAGGAAAGAAATTACAGTATTTATTTGAACCATACCATGTTATTGAAAGC 488

Qy       3686 AATACTCTTACACTGTGGGATCCCAGAAGATAAACTCAGTCAAGTCTACATTATTCTGTA 3745
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        489 AATACTCTTACACTGTGGGATCCCAGAAGATAAACTCAGTCAAGTCTACATTATTCTGTA 548

Qy       3746 TGATGCTGTGACAGAGAAGCTGACGAGGAGAGAAGTGGAAGCTAAATTTTGTAATCTGTC 3805
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        549 TGATGCTGTGACAGAGAAGCTGACGAGGAGAGAAGTGGAAGCTAAATTTTGTAATCTGTC 608

Qy       3806 TTTGTCTTCTAATAGTCTGTGTCGACTCTACAAGTTTATTGAACAGAAGGGAGATTTGCA 3865
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        609 TTTGTCTTCTAATAGTCTGTGTCGACTCTACAAGTTTATTGAACAGAAGGGAGATTTGCA 668

Qy       3866 AGATCTTATGCCAACAATAAATTCATTAATAAAACAGAAAACAGGTATTGCACAGTTGGT 3925
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        669 AGATCTTATGCCAACAATAAATTCATTAATAAAACAGAAAACAGGTATTGCACAGTTGGT 728

Qy       3926 GAAGTATGGCTTAAAAGACCTAGAGGAGGTTGTTGGACTGTTGAAGAAACTCGGCATCAA 3985
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        729 GAAGTATGGCTTAAAAGACCTAGAGGAGGTTGTTGGACTGTTGAAGAAACTCGGCATCAA 788

Qy       3986 GTTACAGGTCTTGATCAATTTGGGCTTGGTTTACAAGGTGCAGCAGCACAATGGAATCAT 4045
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        789 GTTACAGGTCTTGATCAATTTGGGCTTGGTTTACAAGGTGCAGCAGCACAATGGAATCAT 848

Qy       4046 CTTCCAGTTTGTGGCTTTCATCAAACGAAGGCAAAGGGCTGTACCTGAAATCCTCGCAGC 4105
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||:
Db        849 CTTCCAGTTTGTGGCTTTCATCAAACGAAGGCAAAGGGCTGTACCTGAAATCCTCGCAGY 908

Qy       4106 TGGAGGCAGATATGACCTGCTGATTCCCCAGTTTAGAGGGCCACAAGCTCTGGGGCCAGT 4165
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        909 TGGAGGCAGATATGACCTGCTGATTCCCCAGTTTAGAGGGCCACAAGCTCTGGGGCCAGT 968

Qy       4166 TCCCACTGCCATTGGGGTCAGCATAGCTATAGACAAGATATCTGCTGCTGTCCTCAACAT 4225
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        969 TCCCACTGCCATTGGGGTCAGCATAGCTATAGACAAGATATCTGCTGCTGTCCTCAACAT 1028

Qy       4226 GGAGGAATCTGTTACAATAAGCTCTTGTGACCTCCTGGTTGTAAGTGTTGGTCAGATGTC 4285
             ||||||||||||||||||||||||||||||||||||||||||||||||||||:||||||||||
Db       1029 GGAGGAATCTGTTACAATAAGCTCTTGTGACCTCCTGGTTGTAAGTKTTGGTCAGATGTC 1088

Qy       4286 TATGTCCAGGGCCATCAACCTAACCCAGAAACTCTGGACAGCAGGCATCACAGCAGAAAT 4345
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1089 TATGTCCAGGGCCATCAACCTAACCCAGAAACTCTGGACAGCAGGCATCACAGCAGAAAT 1148

Qy       4346 CATGTACGACTGGTCACAGTCCCAAGAGGAATTACAAGAGTACTGCAGACATCATGAAAT 4405
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1149 CATGTACGACTGGTCACAGTCCCAAGAGGAATTACAAGAGTACTGCAGACATCATGAAAT 1208

Qy       4406 CACCTATGTGGCCCTTGTCTCGGATAAAGAAGGAAGCCATGTCAAGGTTAAGTCTTTCGA 4465
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1209 CACCTATGTGGCCCTTGTCTCGGATAAAGAAGGAAGCCATGTCAAGGTTAAGTCTTTCGA 1268

Qy       4466 GAAGGAAAGGCAGACAGAGAAGCGTGTGCTGGAGACTGAACTTGTGGACCATGTACTGCA 4525
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1269 GAAGGAAAGGCAGACAGAGAAGCGTGTGCTGGAGACTGAACTTGTGGACCATGTACTGCA 1328

Qy       4526 GAAACTGAGGACTAAAGTCACTGATGAAAGGAATGGCAGAGAAGCTTCCGATAATCTTGC 4585
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1329 GAAACTGAGGACTAAAGTCACTGATGAAAGGAATGGCAGAGAAGCTTCCGATAATCTTGC 1388

Qy       4586 AGTGCAAAATCTGAAGGGGTCATTTTCTAATGCTTCAGGTTTGTTTGAAATCCATGGAGC 4645
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1389 AGTGCAAAATCTGAAGGGGTCATTTTCTAATGCTTCAGGTTTGTTTGAAATCCATGGAGC 1448

Qy       4646 AACAGTGGTTCCCATTGTGAGTGTGCTAGCCCCGGAGAAGCTGTCAGCCAGCACTAGGAG 4705
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1449 AACAGTGGTTCCCATTGTGAGTGTGCTAGCCCCGGAGAAGCTGTCAGCCAGCACTAGGAG 1508

Qy       4706 GCGCTATGAAACTCAGGTACAAACTCGACTTCAGACCTCCCTTGCCAACTTACATCAGAA 4765
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1509 GCGCTATGAAACTCAGGTACAAACTCGACTTCAGACCTCCCTTGCCAACTTACATCAGAA 1568

Qy       4766 AAGCAGTGAAATTGAAATTCTGGCTGTGGATCTACCCAAAGAAACAATATTACAGTTTTT 4825
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1569 AAGCAGTGAAATTGAAATTCTGGCTGTGGATCTACCCAAAGAAACAATATTACAGTTTTT 1628

Qy       4826 ATCATTAGAGTGGGATGCTGATGAACAGGCATTTAACACAACTGTGAAGCAGCTGCTGTC 4885
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1629 ATCATTAGAGTGGGATGCTGATGAACAGGCATTTAACACAACTGTGAAGCAGCTGCTGTC 1688

Qy       4886 ACGCCTGCCAAAGCAAAGATACCTCAAATTAGTCTGTGATGAAATTTATAACATCAAAGT 4945
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1689 ACGCCTGCCAAAGCAAAGATACCTCAAATTAGTCTGTGATGAAATTTATAACATCAAAGT 1748

Qy       4946 AGAAAAAAAGGTGTCTGTGCTATTTCTGTACAGCTATAGAGATGACTACTACAGAATCTT 5005
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1749 AGAAAAAAAGGTGTCTGTGCTATTTCTGTACAGCTATAGAGATGACTACTACAGAATCTT 1808

Qy       5006 ATTTTAACCCTAAAGAACTGTCGTTAACCTCATTCAAACAGACAGAGGCTTATACTGGAA 5065
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1809 ATTTTAACCCTAAAGAACTGTCGTTAACCTCATTCAAACAGACAGAGGCTTATACTGGAA 1868

Qy       5066 TAATGGAATGTTGTACATTCATCATAATTTAAAATTAAATTCTAAGAAGAGGCTGGGTGC 5125
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1869 TAATGGAATGTTGTACATTCATCATAATTTAAAATTAAATTCTAAGAAGAGGCTGGGTGC 1928

Qy       5126 AGTGGCTCACACCTTTAATCCCAGCACTTTGGGAAGCCAAGGCAGGAAGACTGCTTGAAA 5185
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1929 AGTGGCTCACACCTTTAATCCCAGCACTTTGGGAAGCCAAGGCAGGAAGACTGCTTGAAA 1988

Qy       5186 CCAGGAGTTTGAGACCAGCCTGAGCAACAAAGCAAGACCCCATCTCTATAAAAACTAAAA 5245
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Db       1989 CCAGGAGTTTGAGACCAGCCTGAGCAACAAAGCAAGACCCCATCTCTATAAAAACTAAAA 2048

Qy       5246 AAATTAGTTGGGCATGGTGGCACATGCCTGTAGTCCCAGCTACTCCAGAGGCTGAGATGG 5305
             ||||||||||||||||||||||||||||||||||||||||||||||||||| ||||||||||||
Db       2049 AAATTAGTTGGGCATGGTGGCACATGCCTGTAGTCCCAGCTACTCCANAGGCTGAGATGG 2108

Qy       5306 ATCATCTGAGCCTCAGGAGGTTGAGGCTGCAGTGAGCTGTGACTGCGCCACTGCACTCCA 5365
             |||||||||||||||||||||||| |||||| ||| |||||||||||||| |||      |
Db       2109 ATCATCTGAGCCTCAGGAGGTTGACGCTGCANTGA-CTGTGACTGCGCCNCTG--ACTCC 2165

Qy       5366 GTCTGGGACAACAGAGCAAGACCCTGTCTTAAAA 5399
              |||||| ||||||| || |||||||  | || |
Db       2166 ATCTGGGGCAACAGANCANGACCCTGCTTAAATA 2199


RESULT 5
US-09-998-598-753
; Sequence 753, Application US/09998598
; Patent No. US20020150922A1
; GENERAL INFORMATION:
;  APPLICANT: Stolk, John A.
;  APPLICANT:  Xu, Jiangchun
;  APPLICANT:  Chenault, Ruth A.
;  APPLICANT:  Meagher, Madelein Joy
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
;  TITLE OF INVENTION:  DIAGNOSIS OF COLON CANCER
;  FILE REFERENCE: 210121.561
;  CURRENT APPLICATION NUMBER: US/09/998,598
;  CURRENT FILING DATE:  2001-11-16
;  NUMBER OF SEQ ID NOS: 2606
;  SOFTWARE: Corixa Invention Disclosure Database
; SEQ ID NO 753
;   LENGTH: 519
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-998-598-753

  Query Match             9.4%;  Score 517.4;  DB 10;  Length 519;
  Best Local Similarity   99.8%;  Pred. No. 6.4e-130;
  Matches  518;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       3464 AAAACGATACTGCATAGAACGTGTGTTCAGGCCGCGCAAGTTAGATCGATTTCATCCCAA 3523
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 AAAACGATACTGCATAGAACGTGTGTTCAGGCCGCGCAAGTTAGATCGATTTCATCCCAA 60

Qy       3524 AGAACTTCTGGAGTGTGCATTTGATATTGTCACTTCTACCACCAACAGCTTTCTGCCCAC 3583
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 AGAACTTCTGGAGTGTGCATTTGATATTGTCACTTCTACCACCAACAGCTTTCTGCCCAC 120

Qy       3584 TGCTGAAATTATCTACACTATCTATGAAATCATCCAAGAGTTTCCAGCACTTCAGGAAAG 3643
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 TGCTGAAATTATCTACACTATCTATGAAATCATCCAAGAGTTTCCAGCACTTCAGGAAAG 180

Qy       3644 AAATTACAGTATTTATTTGAACCATACCATGTTATTGAAAGCAATACTCTTACACTGTGG 3703
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 AAATTACAGTATTTATTTGAACCATACCATGTTATTGAAAGCAATACTCTTACACTGTGG 240

Qy       3704 GATCCCAGAAGATAAACTCAGTCAAGTCTACATTATTCTGTATGATGCTGTGACAGAGAA 3763
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 GATCCCAGAAGATAAACTCAGTCAAGTCTACATTATTCTGTATGATGCTGTGACAGAGAA 300

Qy       3764 GCTGACGAGGAGAGAAGTGGAAGCTAAATTTTGTAATCTGTCTTTGTCTTCTAATAGTCT 3823
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 GCTGACGAGGAGAGAAGTGGAAGCTAAATTTTGTAATCTGTCTTTGTCTTCTAATAGTCT 360

Qy       3824 GTGTCGACTCTACAAGTTTATTGAACAGAAGGGAGATTTGCAAGATCTTATGCCAACAAT 3883
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        361 GTGTCGACTCTACAAGTTTATTGAACAGAAGGGAGATTTGCAAGATCTTATGCCAACAAT 420

Qy       3884 AAATTCATTAATAAAACAGAAAACAGGTATTGCACAGTTGGTGAAGTATGGCTTAAAAGA 3943
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        421 AAATTCATTAATAAAACAGAAAACAGGTATTGCACAGTTGGTGAAGTATGGCTTAAAAGA 480

Qy       3944 CCTAGAGGAGGTTGTTGGACTGTTGAAGAAACTCGGCAT 3982
              |||||||||||||||||||||||||||||||||||| ||||
Db        481 CCTAGAGGAGGTTGTTGGACTGTTGAAGAAACTCTGCAT 519


RESULT 6
US-09-918-995-24436
; Sequence 24436, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
;  APPLICANT: Hyseq, Inc.
;  TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
;  TITLE OF INVENTION:  FROM VARIOUS cDNA LIBRARIES
;  FILE REFERENCE: 20411-756
;  CURRENT APPLICATION NUMBER: US/09/918,995
;  CURRENT FILING DATE:  2001-07-30
;  PRIOR APPLICATION NUMBER: US/09/235,076
;  PRIOR FILING DATE: 1999-01-20
;  NUMBER OF SEQ ID NOS: 38054
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 24436
;   LENGTH: 419
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(419)
;   OTHER INFORMATION: n = A,T,C or G
US-09-918-995-24436

  Query Match             6.6%;  Score 362.8;  DB 9;  Length 419;
  Best Local Similarity   95.6%;  Pred. No. 5.5e-88;
  Matches  373;  Conservative    0;  Mismatches   17;  Indels    0;  Gaps    0;

Qy        256 CTGGTGAAGAAGTATATGTAAAAGTGGATTTGAGGGTTAAATGCCCACCTACCTATCCAG 315
              | | || || | |.        | ||||||||||||||||||||||||||||||||||||
Db         30 CGGCTGCAGGAATTCGGCACGAGGTGGATTTGAGGGTTAAATGCCCACCTACCTATCCAG 89

Qy        316 ATGTAGTTCCTGAAATAGAGTTAAAAAATGCCAAAGGTCTATCAAATGAAAGTGTCAATT 375
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         90 ATGTAGTTCCTGAAATAGAGTTAAAAAATGCCAAAGGTCTATCAAATGAAAGTGTCAATT 149

Qy        376 TGTTAAAATCTCGCCTAGAAGAACTGGCCAAGAAACACTGTGGGGAGGTGATGATCTTTG 435
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        150 TGTTAAAATCTCGCCTAGAAGAACTGGCCAAGAAACACTGTGGGGAGGTGATGATCTTTG 209

Qy        436 AACTGGCTTACCACGTGCAGTCATTTCTCAGCGAGCATAACAAGCCCCCTCCCAAGTCTT 495
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        210 AACTGGCTTACCACGTGCAGTCATTTCTCAGCGAGCATAACAAGCCCCCTCCCAAGTCTT 269

Qy        496 TTCATGAAGAAATGCTGGAAAGGCGGGCTCAGGAGGAGCAGCAGAGGCTGTTGGAGGCCA 555
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        270 TTCATGAAGAAATGCTGGAAAGGCGGGCTCAGGAGGAGCAGCAGAGGCTGTTGGAGGCCA 329

Qy        556 AGCGGAAAGAAGAGCAGGAGCAACGTGAAATCCTGCATGAGATTCAGAGAAGGAAAGAAG 615
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        330 AGCGGAAAGAAGAGCAGGAGCAACGTGAAATCCTGCATGAGATTCAGAGAAGGAAAGAAG 389

Qy        616 AGATAAAAGAAGAGAAAAAAAAGGAAAGAAA 645
              |||||||||||||||||||  ||| |||
Db        390 AGATAAAAGAAGAGAAAAAAAAAAAAAAAA 419


RESULT 7
US-10-060-036-1707/c
; Sequence 1707, Application US/10060036
; Publication No. US20030073144A1
; GENERAL INFORMATION:
;  APPLICANT: Benson, Darin R.
;  APPLICANT:  Kalos, Michael D.
;  APPLICANT:  Lodes, Michael J.
;  APPLICANT:  Persing, David H.
;  APPLICANT:  Hepler, William T.
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;  APPLICANT:  Jiang, Yuqiu
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
;  TITLE OF INVENTION:  AND DIAGNOSIS OF PANCREATIC CANCER
;  FILE REFERENCE: 210121.566
;  CURRENT APPLICATION NUMBER: US/10/060,036
;  CURRENT FILING DATE:  2002-01-30
;  NUMBER OF SEQ ID NOS: 4560
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1707
;   LENGTH: 251
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 244
;   OTHER INFORMATION: n = A,T,C or G
US-10-060-036-1707

  Query Match             4.5%;  Score 248.4;  DB 9;  Length 251;
  Best Local Similarity   99.2%;  Pred. No. 4.6e-57;
  Matches  249;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       4724 ACAAACTCGACTTCAGACCTCCCTTGCCAACTTACATCAGAAAAGCAGTGAAATTGAAAT 4783
             ||||||| ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        251 ACAAACTNGACTTCAGACCTCCCTTGCCAACTTACATCAGAAAAGCAGTGAAATTGAAAT 192

Qy       4784 TCTGGCTGTGGATCTACCCAAAGAAACAATATTACAGTTTTTATCATTAGAGTGGGATGC 4843
             |||||||||||||||| ||||||||||||||||||||||||||||||||||||||||||
Db        191 TCTGGCTGTGGATCTACCGAAAGAAACAATATTACAGTTTTTATCATTAGAGTGGGATGC 132

Qy       4844 TGATGAACAGGCATTTAACACAACTGTGAAGCAGCTGCTGTCACGCCTGCCAAAGCAAAG 4903
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        131 TGATGAACAGGCATTTAACACAACTGTGAAGCAGCTGCTGTCACGCCTGCCAAAGCAAAG 72

Qy       4904 ATACCTCAAATTAGTCTGTGATGAAATTTATAACATCAAAGTAGAAAAAAAGGTGTCTGT 4963
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          71 ATACCTCAAATTAGTCTGTGATGAAATTTATAACATCAAAGTAGAAAAAAAGGTGTCTGT 12

Qy       4964 GCTATTTCTGT 4974
             ||||||||||||
Db          11 GCTATTTCTGT 1


RESULT 8
US-09-764-877-3220/c
; Sequence 3220, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PC005
;  CURRENT APPLICATION NUMBER: US/09/764,877
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - refer to PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 4031
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3220
;   LENGTH: 19616
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-877-3220

  Query Match             3.6%;  Score 198.6;  DB 10;  Length 19616;
  Best Local Similarity   82.4%;  Pred. No. 3.8e-42;
  Matches  253;  Conservative    0;  Mismatches   49;  Indels    5;  Gaps    2;

Qy       5114 GAGGCTGGGTGCAGTGGCTCACACCTTTAATCCCAGCACTTTGGGAAGCCAAGGCAGGAA 5173
             |||| |||||||||||||||||||| ||||| ||||| ||| |||  ||||||| ||
Db      18354 GAGGTTGGGTGCAGTGGCTCACACCTGTAATCTCAGCAGTTTAGGAGACCAAGGCGGGTG 18295

Qy       5174 GACTGCTTGAAACCAGGAGTTTGAGACCAGCCTGAGCAACAAAGCAAGACCCCATCTCTA 5233
             ||| ||||||  ||||| ||||||||||||||||  || ||  |||| ||||||||||||
Db      18294 GACCGCTTGAGCCCAGGGGTTTGAGACCAGCCTGGACAGCATGGCAAAACCCCATCTCTA 18235

Qy       5234 TAAAAACTAAAAAAAATTAGTTGGGCATGGTGGCACATGCCTGTAGTCCCAGCTACTCCAG 5293
             ||||| || ||||||||| ||||  ||||||  |  |||| ||||||||||||||||  |
Db      18234 CAAAAAATACAAAAATTAGCTGGGTGTGGTGGTGCTGGCCTATAGTCCCAGCTACTCAGG 18175

Qy       5294 AGGCTGAGAT----GGATCATCTGAGCCTCAGGAGGTTGAGGCTGCAGTGAGCTGTGACT 5349
             ||| |||| |    |||||| ||||||||  |||||| ||||||||||||||||    || |
Db      18174 AGGTTGAGGTAGGAGGATCACCTGAGCCTGGGGAGGTAGAGGCTGCAGTGAGCCACGATT 18115

Qy       5350 GCGCCACTGCACTCCAGTCTGGGACAACAGAGCAAGACCCTGTCTTAAAAAAAAAAAGAA 5409
             || |||||||||||||| ||||| |||||||||||||||||||| ||||||||||  |
Db      18114 GCACCACTGCACTCCAGCCTGGG-CAACAGAGCAAGACCCTGTCTGAAAAAAAAAAAGA 18056

Qy       5410 AAAAAAA 5416
             ||| |||
Db      18055 AAAGAAA 18049


RESULT 9
US-09-742-312-3
; Sequence 3, Application US/09742312
; Patent No. US20020045166A1
; GENERAL INFORMATION:
;  APPLICANT: CHANDRAMOULISARAN, Ishwar et al
;  TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
;  TITLE OF INVENTION:  NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
;  TITLE OF INVENTION:  AND USES THEREOF
;  FILE REFERENCE: CL000838
;  CURRENT APPLICATION NUMBER: US/09/742,312
;  CURRENT FILING DATE:  2000-12-22
;  NUMBER OF SEQ ID NOS: 4
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
;   LENGTH: 147309
;   TYPE: DNA
;   ORGANISM: Human
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(147309)
;   OTHER INFORMATION: n = A,T,C or G
US-09-742-312-3

  Query Match             3.5%;  Score 191;  DB 10;  Length 147309;
  Best Local Similarity   66.8%;  Pred. No. 1.9e-39;
  Matches  272;  Conservative    0;  Mismatches  135;  Indels    0;  Gaps    0;

Qy       5076 TTGTACATTCATCATAATTTAAAATTAAATTCTAAGAAGAGGCTGGGTGCAGTGGCTCAC 5135
             ||||| |   |  | ||   |||| |||   | |    |||||||||||||||||| .
Db      57224 TTGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAATGCCTGGGCTGGGTGCAGTGGCTCAA 57283

Qy       5136 ACCTTTAATCCCAGCACTTTGGGAAGCCAAGGCAGGAAGACTGCTTGAAACCAGGAGTTT 5195
              ||| ||||||||||||||||| ||||||||||  ||     |||   |||||||||
Db      57284 GCCTATAATCCCAGCACTTTGGGAGGCCAAGGCAGGTGGATCATCTGACGTCAGGAGTTT 57343

Qy       5196 GAGACCAGCCTGAGCAACAAAGCAAGACCCCATCTCTATAAAAACTAAAAAAATTAGTTG 5255
             |||| ||||||||  ||||     | |||||||||||  |||| || |||||||| ||
Db      57344 GAGAGCAGCCTGACTAACATGATGAAACCCCATCTCTACTAAAAATATAAAAATTAGCTG 57403

Qy       5256 GGCATGGTGGCACATGCCTGTAGTCCCAGCTACTCCAGAGGCTGAGATGGATCATCTGAG 5315
             |||||||||    |||||||||||||||||||||  |||||||||   ||    ||
Db      57404 GGCATGGTGGTGTGTGCCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCAGAATTGCTTGA 57463

Qy       5316 CCTCAGGAGGTTGAGGCTGCAGTGAGCTGTGACTGCGCCACTGCACTCCAGTCTGGGACA 5375
              | || ||||  |||| |||||||||||| |||    |||||||||||||| |||||  |
Db      57464 ACCCAAGAGGCAGAGGTTGCAGTGAGCTGAGACCATACCACTGCACTCCAGCCTGGGCAA 57523

Qy       5376 ACAGAGCAAGACCCTGTCTTAAAAAAAAAAAGAAAAAAAAATTTTTTTTCTAAGAAGCTG 5435
              ||||  | || |  ||| | |||||||| ||               | |  ||||  ||
Db      57524 CAAGAGTGAAACTCCATCTCAGAAAAAAAAAAAAATGCCTGGACCACATCCACAGAATTTG 57583

Qy       5436 TCCTACAAAGTTGAGCTTTGTTAGTTTTTCATGTGTAATATATTATA 5482
             |  | |||   |     ||  ||   ||  ||   | | ||| |
Db      57584 TAATCCAATTCTTTTGGGTGGGAGCACAGCAATTGGTGTTTTTTAAA 57630
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```
RESULT 10
US-09-892-877-93
; Sequence 93, Application US/09892877
; Publication No. US20030077809A1
; GENERAL INFORMATION:
;  APPLICANT: Ruben et. al.
;  TITLE OF INVENTION: 97 Human secreted proteins
;  FILE REFERENCE: PZ028P1
;  CURRENT APPLICATION NUMBER: US/09/892,877
;  CURRENT FILING DATE:  2001-06-28
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/437,658
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-11-10
;  NUMBER OF SEQ ID NOS: 461
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 93
;   LENGTH: 1212
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-892-877-93

  Query Match             3.4%;  Score 189.2;  DB 9;  Length 1212;
  Best Local Similarity   76.7%;  Pred. No. 1.8e-40;
  Matches  247;  Conservative    7;  Mismatches   65;  Indels    3;  Gaps    2;

Qy       5095 TAAAATTAAATTCTAAGAAGAGGCTGGGTGCAGTGGCTCACACCTTTAATCCCAGCACTT 5154
             || |  | ||   || | | ||||  |||| ||||||||||||||| ||||||||||||||
Db        892 TACATATGAAAAATAGGTACAGGCCAGGTGTAGTGGCTCACACCTGTAATCCCAGCACTT 951

Qy       5155 TGGGAAGCCAAGGCAGGAAGACTGCTTGAAACCAGGAGTTTGAGACCAGCCTGAGCAACA 5214
             ||||||||  |:|  ||  || |||||||  ||||||||||||||||||||||| ||||||
Db        952 GGGGAAGCCGARGTGGGTGGATTGCTTGAGCCCAGGAGTTTGAGACCAGCCTGGGCAACA 1011

Qy       5215 AAGCAAGACCCCATCTCTATAAAAACTAAAAAAATTAGTTGGGCATGGTGGCACATGCCT 5274
               |  | |||||||||||| ||||| |: |||||||||  :|||||||||||||||   ||
Db       1012 TGGTGAAACCCCATCTCTACAAAAAATMCAAAAATTAGCCSGGCATGGTGGCACACAACT 1071

Qy       5275 GTAGTCCCAGCTACTCCAGAGGCTGAGATGG--ATCATCTGAGCCTCAGGAGGTTGAGGC 5332
             ||||||  |||||||||  || ||||||  |||  |     |    | |||:|||  :|||
Db       1072 GTAGTCTCAGCTACTCAGGAAGCTGAGGTGGGAAGAYCATTGAGCCCAGRAGGCARAGGT 1131

Qy       5333 TGCAGTGAGCTGTGACTGCGCCACTGCACTCCAGTCTGGGACAACAGAGCAAGACCCTGT 5392
             ||||||||||||||    |||||||:|||||| |||||   |||| ||||||||||||
Db       1132 TGCAGTGAGCTGTGATCCTGCCACTGSACTCCAGCCTGGG-TGACAGGGCAAGACCCTGT 1190

Qy       5393 CTTAAAAAAAAAAAGAAAAAAA 5414
              :| ||||||||||| |||||||
Db       1191 YTMAAAAAAAAAAAAAAAAAAA 1212


RESULT 11
US-09-948-783-92
; Sequence 92, Application US/09948783
; Publication No. US20030100051A1
; GENERAL INFORMATION:
;  APPLICANT: Ruben et. al.
;  TITLE OF INVENTION: 97 Human secreted proteins
;  FILE REFERENCE: PZ028P2
;  CURRENT APPLICATION NUMBER: US/09/948,783
;  CURRENT FILING DATE:  2001-09-10
;  PRIOR APPLICATION NUMBER: 60/231,846
;  PRIOR FILING DATE: 2000-09-11
;  PRIOR APPLICATION NUMBER: 09/892,877
;  PRIOR FILING DATE: 2001-06-28
;  PRIOR APPLICATION NUMBER: 09/437,658
;  PRIOR FILING DATE: 1999-11-10
;  PRIOR APPLICATION NUMBER: PCT/US99/09847
;  PRIOR FILING DATE: 1999-05-06
;  PRIOR APPLICATION NUMBER: 60/085,093
;  PRIOR FILING DATE: 1998-05-12
;  PRIOR APPLICATION NUMBER: 60/085,094
;  PRIOR FILING DATE: 1998-05-12
;  PRIOR APPLICATION NUMBER: 60/085,105
;  PRIOR FILING DATE: 1998-05-12
;  PRIOR APPLICATION NUMBER: 60/085,180
;  PRIOR FILING DATE: 1998-05-12
;  PRIOR APPLICATION NUMBER: 60/085,927
;  PRIOR FILING DATE: 1998-05-18
;  PRIOR APPLICATION NUMBER: 60/085,906
;  PRIOR FILING DATE: 1998-05-18
;  PRIOR APPLICATION NUMBER: 60/085,924
;  PRIOR FILING DATE: 1998-05-18
;  PRIOR APPLICATION NUMBER: 60/085,922
;  PRIOR FILING DATE: 1998-05-18
;  PRIOR APPLICATION NUMBER: 60/085,921
;  PRIOR FILING DATE: 1998-05-18
;  PRIOR APPLICATION NUMBER: 60/085,923
;  PRIOR FILING DATE: 1998-05-18
;  PRIOR APPLICATION NUMBER: 60/085,925
;  PRIOR FILING DATE: 1998-05-18
;  PRIOR APPLICATION NUMBER: 60/085,928
;  PRIOR FILING DATE: 1998-05-18
;  PRIOR APPLICATION NUMBER: 60/085,920
;  PRIOR FILING DATE: 1998-05-18
;  NUMBER OF SEQ ID NOS: 465
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 92
;   LENGTH: 1212
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-948-783-92

  Query Match             3.4%;  Score 189.2;  DB 9;  Length 1212;
  Best Local Similarity   76.7%;  Pred. No. 1.8e-40;
  Matches  247;  Conservative    7;  Mismatches   65;  Indels    3;  Gaps    2;

Qy       5095 TAAAATTAAATTCTAAGAAGAGGCTGGGTGCAGTGGCTCACACCTTTAATCCCAGCACTT 5154
             || |  | ||   || | | ||||  |||| ||||||||||||||| ||||||||||||||
Db        892 TACATATGAAAAATAGGTACAGGCCAGGTGTAGTGGCTCACACCTGTAATCCCAGCACTT 951

Qy       5155 TGGGAAGCCAAGGCAGGAAGACTGCTTGAAACCAGGAGTTTGAGACCAGCCTGAGCAACA 5214
             ||||||||  |:|  ||  || |||||||  ||||||||||||||||||||||| ||||||
Db        952 GGGGAAGCCGARGTGGGTGGATTGCTTGAGCCCAGGAGTTTGAGACCAGCCTGGGCAACA 1011

Qy       5215 AAGCAAGACCCCATCTCTATAAAAACTAAAAAAATTAGTTGGGCATGGTGGCACATGCCT 5274
               |  | |||||||||||| ||||| |: |||||||||  :|||||||||||||||   ||
Db       1012 TGGTGAAACCCCATCTCTACAAAAAATMCAAAAATTAGCCSGGCATGGTGGCACACAACT 1071

Qy       5275 GTAGTCCCAGCTACTCCAGAGGCTGAGATGG--ATCATCTGAGCCTCAGGAGGTTGAGGC 5332
             ||||||  |||||||||  || ||||||  |||  |     |    | |||:|||  :|||
Db       1072 GTAGTCTCAGCTACTCAGGAAGCTGAGGTGGGAAGAYCATTGAGCCCAGRAGGCARAGGT 1131

Qy       5333 TGCAGTGAGCTGTGACTGCGCCACTGCACTCCAGTCTGGGACAACAGAGCAAGACCCTGT 5392
             ||||||||||||||    |||||||:|||||| |||||   |||| ||||||||||||
Db       1132 TGCAGTGAGCTGTGATCCTGCCACTGSACTCCAGCCTGGG-TGACAGGGCAAGACCCTGT 1190

Qy       5393 CTTAAAAAAAAAAAGAAAAAAA 5414
              :| ||||||||||| |||||||
Db       1191 YTMAAAAAAAAAAAAAAAAAAA 1212


RESULT 12
US-09-731-231A-3/c
; Sequence 3, Application US/09731231A
; Patent No. US20020082189A1
; GENERAL INFORMATION:
;  APPLICANT: GUEGLER, Karl et al
;  TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
;  TITLE OF INVENTION:  ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE: CL001007
;  CURRENT APPLICATION NUMBER: US/09/731,231A
;  CURRENT FILING DATE:  2000-12-07
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: FastSEQ for Windows Version 4.0
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; SEQ ID NO 3
;   LENGTH: 326014
;   TYPE: DNA
;   ORGANISM: Human
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(326014)
;   OTHER INFORMATION: n = A,T,C or G
US-09-731-231A-3

  Query Match             3.4%;  Score 188.2;  DB 10;  Length 326014;
  Best Local Similarity   77.8%;  Pred. No. 2e-38;
  Matches  253;  Conservative    0;  Mismatches   68;  Indels    4;  Gaps    2;

Qy       5101 TAAATTCTAAGAAGAGGCTGGGTGCAGTGGCTCACACCTTTAATCCCAGCACTTTGGGAA 5160
              ||||  ||      |||||  | ||||||||||||| || |||||| |||||||| ||
Db      36647 TAAAAGCTCCATTCAGGCTAGATGCAGTGGCTCACAACTGTAATCCTAGCACTTTGTGAG 36588

Qy       5161 GCCAAGGCAGGAAGACTGCTTGAAACCAGGAGTTTGAGACCAGCCTGAGCAACAAAGCAA 5220
              |||||||||| |  | |||||  |||||||  || |||||||||| |||||  ||  |
Db      36587 GCCAAGGCAGAAGAATTGCTTAAGTCCAGGAGCTTCAGACCAGCCTGGGCAACATAGTGA 36528

Qy       5221 GACCCCATCTCTATAAAAACTAAAAAAATTAGTTGGGCATGGTGGCACATGCCTGTAGTC 5280
              ||||||  |||||||||||| |||||||||||| ||||| ||||||||  || ||||||||
Db      36527 GACCCCCTCTCTATAAAAAGTAAAAAAATTAGCTGGGCGTGGTGGCATGTGGCTGTAGTC 36468

Qy       5281 CCAGCTACTCCAGAGGCTGAGATGGATCATCTG---AGCCTCAGGAGGTTGAGGCTGCAG 5337
              |||||||||   |||||||||    |      |||    | ||  ||||| ||||||||||||
Db      36467 CCAGCTACTTGGGAGGCTGAGGCAGGAGGACTGCCTAACCCTAGGAGTTTGAGGCTGCAG 36408

Qy       5338 TGAGCTGTGACTGCGCCACTGCACTCCAGTCTGGGACAACAGAGCAAGACCCTGTCTTAA 5397
              |||||  |||| || |||||||||||| || |||||  || |||  |||| |  ||||||
Db      36407 TGAGCAGTGATTGTGCCACTGCACTCTAGCCTGGG-CATCAGCGCAAAAGTCTGTCTCTT 36349

Qy       5398 AAAAAAAAAGAAAAAAAAATTTTTT 5422
              ||||  || | |||  ||  ||||||||
Db      36348 AAAATAACAAAAATAATAATTTTTT 36324


RESULT 13
US-09-842-364-1/c
; Sequence 1, Application US/09842364
; Publication No. US20030032783A1
; GENERAL INFORMATION:
;  APPLICANT: Yen-Potin, Frances
;  APPLICANT:  Denison, Blake
;  APPLICANT:  Bour, Barbara
;  APPLICANT:  Bihain, Bernard
;  APPLICANT:  Dumas Milne Edwards, Jean-Baptiste
;  APPLICANT:  Duclert, Aymeric
;  APPLICANT:  Bougueleret, Lydie
;  TITLE OF INVENTION: APOLIPOPROTEIN A-IV-RELATED PROTEIN: POLYPEPTIDE, POLYNUCLEOTIDE
;  TITLE OF INVENTION:  SEQUENCES AND BIALLELIC MARKERS THEREOF.
;  FILE REFERENCE: GENSET.50CP2C
;  CURRENT APPLICATION NUMBER: US/09/842,364
;  CURRENT FILING DATE:  2001-04-25
;  PRIOR APPLICATION NUMBER: US 09/599,362
;  PRIOR FILING DATE: 2000-06-21
;  PRIOR APPLICATION NUMBER: PCT/IB99/02058
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: US 09/469/099
;  PRIOR FILING DATE: 1999-12-21
;  PRIOR APPLICATION NUMBER: US 60/113,686
;  PRIOR FILING DATE: 1998-12-22
;  PRIOR APPLICATION NUMBER: US 60/141,032
;  PRIOR FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: Patent.pm
; SEQ ID NO 1
;   LENGTH: 81001
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 10946..12946
;   OTHER INFORMATION: 5'regulatory region
;   NAME/KEY: exon
;   LOCATION: 12947..12958
;   OTHER INFORMATION: exon 1
;   NAME/KEY: exon
;   LOCATION: 13470..13526
;   OTHER INFORMATION: exon 2
;   NAME/KEY: exon
;   LOCATION: 13641..13752
;   OTHER INFORMATION: exon 3
;   NAME/KEY: exon
;   LOCATION: 14271..15968
;   OTHER INFORMATION: exon 4
;   NAME/KEY: misc_feature
;   LOCATION: 15969..17969
;   OTHER INFORMATION: 3'regulatory region
;   NAME/KEY: allele
;   LOCATION: 1239
;   OTHER INFORMATION: 20-828-311  : polymorphic base C or T
;   NAME/KEY: allele
;   LOCATION: 12347
;   OTHER INFORMATION: 17-42-319   : polymorphic base C or T
;   NAME/KEY: allele
;   LOCATION: 15241
;   OTHER INFORMATION: 17-41-250   : polymorphic base C or T
;   NAME/KEY: allele
;   LOCATION: 42218
;   OTHER INFORMATION: 20-841-149  : polymorphic base A or G
;   NAME/KEY: allele
;   LOCATION: 45442
;   OTHER INFORMATION: 20-842-115  : polymorphic base A or G
;   NAME/KEY: allele
;   LOCATION: 77058
;   OTHER INFORMATION: 20-853-415  : polymorphic base C or T
;   NAME/KEY: primer_bind
;   LOCATION: 929..949
;   OTHER INFORMATION: 20-828.pu
;   NAME/KEY: primer_bind
;   LOCATION: 1357..1377
;   OTHER INFORMATION: 20-828.rp  complement
;   NAME/KEY: primer_bind
;   LOCATION: 12029..12050
;   OTHER INFORMATION: 17-42.pu
;   NAME/KEY: primer_bind
;   LOCATION: 12581..12603
;   OTHER INFORMATION: 17-42.rp complement
;   NAME/KEY: primer_bind
;   LOCATION: 14992..15012
;   OTHER INFORMATION: 17-41.pu
;   NAME/KEY: primer_bind
;   LOCATION: 15460..15482
;   OTHER INFORMATION: 17-41.rp complement
;   NAME/KEY: primer_bind
;   LOCATION: 42070..42090
;   OTHER INFORMATION: 20-841.pu
;   NAME/KEY: primer_bind
;   LOCATION: 42572..42591
;   OTHER INFORMATION: 20-841.rp  complement
;   NAME/KEY: primer_bind
;   LOCATION: 45328..45347
;   OTHER INFORMATION: 20-842.pu
;   NAME/KEY: primer_bind
;   LOCATION: 45863..45883
;   OTHER INFORMATION: 20-842.rp  complement
;   NAME/KEY: primer_bind
;   LOCATION: 76644..76664
;   OTHER INFORMATION: 20-853.pu
;   NAME/KEY: primer_bind
;   LOCATION: 77166..77185
;   OTHER INFORMATION: 20-853.rp  complement
;   NAME/KEY: primer_bind
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;   LOCATION: 1220..1238
;   OTHER INFORMATION: 20-828-311.mis
;   NAME/KEY: primer_bind
;   LOCATION: 1240..1258
;   OTHER INFORMATION: 20-828-311.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 12328..12346
;   OTHER INFORMATION: 17-42-319.mis
;   NAME/KEY: primer_bind
;   LOCATION: 12348..12366
;   OTHER INFORMATION: 17-42-319.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 15222..15240
;   OTHER INFORMATION: 17-41-250.mis
;   NAME/KEY: primer_bind
;   LOCATION: 15242..15260
;   OTHER INFORMATION: 17-41-250.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 42199..42217
;   OTHER INFORMATION: 20-841-149.mis
;   NAME/KEY: primer_bind
;   LOCATION: 42219..42237
;   OTHER INFORMATION: 20-841-149.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 45423..45441
;   OTHER INFORMATION: 20-842-115.mis
;   NAME/KEY: primer_bind
;   LOCATION: 45443..45461
;   OTHER INFORMATION: 20-842-115.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 77039..77057
;   OTHER INFORMATION: 20-853-415.mis
;   NAME/KEY: primer_bind
;   LOCATION: 77059..77077
;   OTHER INFORMATION: 20-853-415.mis complement
;   NAME/KEY: misc_binding
;   LOCATION: 1227..1251
;   OTHER INFORMATION: 20-828-311.probe
;   NAME/KEY: misc_binding
;   LOCATION: 12335..12359
;   OTHER INFORMATION: 17-42-319.probe
;   NAME/KEY: misc_binding
;   LOCATION: 15229..15253
;   OTHER INFORMATION: 17-41-250.probe
;   NAME/KEY: misc_binding
;   LOCATION: 42206..42230
;   OTHER INFORMATION: 20-841-149.probe
;   NAME/KEY: misc_binding
;   LOCATION: 45430..45454
;   OTHER INFORMATION: 20-842-115.probe
;   NAME/KEY: misc_binding
;   LOCATION: 77046..77070
;   OTHER INFORMATION: 20-853-415.probe
US-09-842-364-1

  Query Match             3.4%;  Score 187.6;  DB 9;  Length 81001;
  Best Local Similarity   71.1%;  Pred. No. 1e-38;
  Matches  263;  Conservative    0;  Mismatches  104;  Indels    3;  Gaps    1;

Qy       5084 TCATCATAATTTAAAATTAAATTCTAAGAAGAGGCTGGGTGCAGTGGCTCACACCTTTAA 5143
              | | | | |||| | |    ||    |    | |||  |||||||||||||||| ||| |||
Db      65068 TTACCCTGATTTTACAAATAAGGAAATTGTGTGGCCAGGTGCAGTGGCTCACGCCTGTAA 65009

Qy       5144 TCCCAGCACTTTGGGAAGCCAAGGCAGGAAGACTGCTTGAAACCAGGAGTTTGAGACCAG 5203
              |||||||||||||||| |||||||  ||  ||   | |||   |||||||| ||||||||
Db      65008 TCCCAGCACTTTGGGAGGCCAAGGTGGGTGGATCACCTGAGGTCAGGAGTTCGAGACCAG 64949

Qy       5204 CCTGAGCAACAAAGCAAGACCCCATCTCTATAAAAACTAAAAAAATTAGTTGGGCATGGT 5263
              ||||  |||||  |  | ||||| |||||| |||| || |||||||||  |||||||||
Db      64948 CCTGGCCAACATGGTGAAACCCCGTCTCTATTAAAAATACAAAAATTAGCCGGGCATGGT 64889

Qy       5264 GGCACATGCCTGTAGTCCCAGCTACTCCAGAGGCTGAG---ATGGATCATCTGAGCCTCA 5320
              ||||   ||||||| ||||||||||||  |||||||||      ||    ||    | |
.

Db      64888 GGCAGGAGCCTGTAATCCCAGCTACTCAGGAGGCTGAGGCAGGAGAATCACTTGAACCCG 64829

Qy       5321 GGAGGTTGAGGCTGCAGTGAGCTGTGACTGCGCCACTGCACTCCAGTCTGGGACAACAGA 5380
              |||||  |||| |||||||||||| || |||||||||||||||||| ||| |  |  |||
Db      64828 GGAGGCGGAGGTTGCAGTGAGCTGAGATTGCGCCACTGCACTCCAGCCTGAGGGACAAGA 64769

Qy       5381 GCAAGACCCTGTCTTAAAAAAAAAAAGAAAAAAAAATTTTTTTTCTAAGAAGCTGTCCTA 5440
              || |||| |||| | |||||||||||| |||||| || |   |    ||   |  | |
Db      64768 GCGAGACTCTGTATCAAAAAAAAAAACAAAAAATAAATAAATAAGGAAACTGTGGCTCAG 64709

Qy       5441 CAAAGTTGAG 5450
                |||||  ||
Db      64708 AGAAGTTAAG 64699


RESULT 14
US-09-751-877-1/c
; Sequence 1, Application US/09751877
; Patent No. US20020142949A1
; GENERAL INFORMATION:
;  APPLICANT: Yen, Frances
;  APPLICANT:  Denison, Blake
;  APPLICANT:  Bour, Barbara
;  APPLICANT:  Bihain, Bernard
;  APPLICANT:  Dumas Milne Edwards, Jean-Baptiste
;  APPLICANT:  Duclert, Aymeric
;  APPLICANT:  Bougueleret, Lydie
;  APPLICANT:  Ebbets-Reed, Dana
;  APPLICANT:  Salter-Cid, Luisa
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITING NEOPLASTIC CELL GROWTH
;  FILE REFERENCE: 89.US3.REG
;  CURRENT APPLICATION NUMBER: US/09/751,877
;  CURRENT FILING DATE:  2000-12-28
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: Patent.pm
; SEQ ID NO 1
;   LENGTH: 81001
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 10946..12946
;   OTHER INFORMATION: 5'regulatory region
;   NAME/KEY: exon
;   LOCATION: 12947..12958
;   OTHER INFORMATION: exon 1
;   NAME/KEY: exon
;   LOCATION: 13470..13526
;   OTHER INFORMATION: exon 2
;   NAME/KEY: exon
;   LOCATION: 13641..13752
;   OTHER INFORMATION: exon 3
;   NAME/KEY: exon
;   LOCATION: 14271..15968
;   OTHER INFORMATION: exon 4
;   NAME/KEY: misc_feature
;   LOCATION: 15969..17969
;   OTHER INFORMATION: 3'regulatory region
;   NAME/KEY: allele
;   LOCATION: 1239
;   OTHER INFORMATION: 20-828-311  : polymorphic base C or T
;   NAME/KEY: allele
;   LOCATION: 12347
;   OTHER INFORMATION: 17-42-319   : polymorphic base C or T
;   NAME/KEY: allele
;   LOCATION: 15241
;   OTHER INFORMATION: 17-41-250   : polymorphic base C or T
;   NAME/KEY: allele
;   LOCATION: 42218
;   OTHER INFORMATION: 20-841-149  : polymorphic base A or G
;   NAME/KEY: allele
;   LOCATION: 45442
;   OTHER INFORMATION: 20-842-115  : polymorphic base A or G
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;   NAME/KEY: allele
;   LOCATION: 77058
;   OTHER INFORMATION: 20-853-415  : polymorphic base C or T
;   NAME/KEY: primer_bind
;   LOCATION: 929..949
;   OTHER INFORMATION: 20-828.pu
;   NAME/KEY: primer_bind
;   LOCATION: 1357..1377
;   OTHER INFORMATION: 20-828.rp  complement
;   NAME/KEY: primer_bind
;   LOCATION: 12029..12050
;   OTHER INFORMATION: 17-42.pu
;   NAME/KEY: primer_bind
;   LOCATION: 12581..12603
;   OTHER INFORMATION: 17-42.rp complement
;   NAME/KEY: primer_bind
;   LOCATION: 14992..15012
;   OTHER INFORMATION: 17-41.pu
;   NAME/KEY: primer_bind
;   LOCATION: 15460..15482
;   OTHER INFORMATION: 17-41.rp complement
;   NAME/KEY: primer_bind
;   LOCATION: 42070..42090
;   OTHER INFORMATION: 20-841.pu
;   NAME/KEY: primer_bind
;   LOCATION: 42572..42591
;   OTHER INFORMATION: 20-841.rp  complement
;   NAME/KEY: primer_bind
;   LOCATION: 45328..45347
;   OTHER INFORMATION: 20-842.pu
;   NAME/KEY: primer_bind
;   LOCATION: 45863..45883
;   OTHER INFORMATION: 20-842.rp  complement
;   NAME/KEY: primer_bind
;   LOCATION: 76644..76664
;   OTHER INFORMATION: 20-853.pu
;   NAME/KEY: primer_bind
;   LOCATION: 77166..77185
;   OTHER INFORMATION: 20-853.rp  complement
;   NAME/KEY: primer_bind
;   LOCATION: 1220..1238
;   OTHER INFORMATION: 20-828-311.mis
;   NAME/KEY: primer_bind
;   LOCATION: 1240..1258
;   OTHER INFORMATION: 20-828-311.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 12328..12346
;   OTHER INFORMATION: 17-42-319.mis
;   NAME/KEY: primer_bind
;   LOCATION: 12348..12366
;   OTHER INFORMATION: 17-42-319.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 15222..15240
;   OTHER INFORMATION: 17-41-250.mis
;   NAME/KEY: primer_bind
;   LOCATION: 15242..15260
;   OTHER INFORMATION: 17-41-250.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 42199..42217
;   OTHER INFORMATION: 20-841-149.mis
;   NAME/KEY: primer_bind
;   LOCATION: 42219..42237
;   OTHER INFORMATION: 20-841-149.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 45423..45441
;   OTHER INFORMATION: 20-842-115.mis
;   NAME/KEY: primer_bind
;   LOCATION: 45443..45461
;   OTHER INFORMATION: 20-842-115.mis complement
;   NAME/KEY: primer_bind
;   LOCATION: 77039..77057
;   OTHER INFORMATION: 20-853-415.mis
;   NAME/KEY: primer_bind
;   LOCATION: 77059..77077
;   OTHER INFORMATION: 20-853-415.mis complement
;   NAME/KEY: misc_binding
;   LOCATION: 1227..1251
;   OTHER INFORMATION: 20-828-311.probe
;   NAME/KEY: misc_binding
;   LOCATION: 12335..12359
;   OTHER INFORMATION: 17-42-319.probe
;   NAME/KEY: misc_binding
;   LOCATION: 15229..15253
;   OTHER INFORMATION: 17-41-250.probe
;   NAME/KEY: misc_binding
;   LOCATION: 42206..42230
;   OTHER INFORMATION: 20-841-149.probe
;   NAME/KEY: misc_binding
;   LOCATION: 45430..45454
;   OTHER INFORMATION: 20-842-115.probe
;   NAME/KEY: misc_binding
;   LOCATION: 77046..77070
;   OTHER INFORMATION: 20-853-415.probe
US-09-751-877-1

  Query Match             3.4%;  Score 187.6;  DB 10;  Length 81001;
  Best Local Similarity   71.1%;  Pred. No. 1e-38;
  Matches  263;  Conservative    0;  Mismatches  104;  Indels    3;  Gaps    1;

Qy       5084 TCATCATAATTTAAAATTAAATTCTAAGAAGAGGCTGGGTGCAGTGGCTCACACCTTTAA 5143
             | | | | |||| | |    ||     |     | |||  |||||||||||||||| ||| |||
Db      65068 TTACCCTGATTTTACAAATAAGGAAATTGTGTGGCCAGGTGCAGTGGCTCACGCCTGTAA 65009

Qy       5144 TCCCAGCACTTTGGGAAGCCAAGGCAGGAAGACTGCTTGAAACCAGGAGTTTGAGACCAG 5203
             |||||||||||||||| |||||||  ||  ||   | |||   |||||||| ||||||||
Db      65008 TCCCAGCACTTTGGGAGGCCAAGGTGGGTGGATCACCTGAGGTCAGGAGTTCGAGACCAG 64949

Qy       5204 CCTGAGCAACAAAGCAAGACCCCATCTCTATAAAAACTAAAAAAATTAGTTGGGCATGGT 5263
             ||||  |||||  |  | ||||| ||||||| |||| || |||||||||  |||||||||
Db      64948 CCTGGCCAACATGGTGAAACCCCGTCTCTATTAAAAATACAAAAATTAGCCGGGCATGGT 64889

Qy       5264 GGCACATGCCTGTAGTCCCAGCTACTCCAGAGGCTGAG---ATGGATCATCTGAGCCTCA 5320
             ||||   ||||||| |||||||||||  |||||||||       ||    ||     | |
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Qy       5321 GGAGGTTGAGGCTGCAGTGAGCTGTGACTGCGCCACTGCACTCCAGTCTGGGACAACAGA 5380
             |||||  |||| |||||||||||| || ||||||||||||||||||| ||| |  |  |||
Db      64828 GGAGGCGGAGGTTGCAGTGAGCTGAGATTGCGCCACTGCACTCCAGCCTGAGGGACAAGA 64769

Qy       5381 GCAAGACCCTGTCTTAAAAAAAAAAAGAAAAAAAAATTTTTTTTCTAAGAAGCTGTCCTA 5440
             || |||| |||| | |||||||||||| |||||| || |   |     ||   | | |
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Qy       5441 CAAAGTTGAG 5450
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Db      64708 AGAAGTTAAG 64699


RESULT 15
US-09-764-872-812/c
; Sequence 812, Application US/09764872
; Publication No. US20030050231A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PA125
;  CURRENT APPLICATION NUMBER: US/09/764,872
;  CURRENT FILING DATE:  2001-01-17
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 957
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 812
;   LENGTH: 31718
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-764-872-812
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Query Match 3.4%; Score 187.4; DB 9; Length 31718;
Best Local Similarity 75.4%; Pred. No. 5.9e-39;
Matches 260; Conservative 0; Mismatches 81; Indels 4; Gaps 2;

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Qy       5157 GGAAGCCAAGGCAGGAAGACTGCTTGAAACCAGGAGTTTGAGACCAGCCTGAGCAACAAA 5216
              ||| ||| |||||||  ||   | |||   |||||||| ||||||||||  | |||
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Qy       5217 GCAAGACCCCATCTCTATAAAAACTAAAAAAATTAGTTGGGCATGGTGGCACATGCCTGT 5276
              || | |||||||||||  |||| || | |||||||| | ||||||||||||||||||||
Db       3153 GCGAAACCCCATCTCTACTAAAAATACAGAAATTAGCTAGGCATGGTGGCACATGCCTGT 3094

Qy       5277 AGTCCCAGCTACTCCAGAGGCTGAG---ATGGATCATCTGAGCCTCAGGAGGTTGAGGCT 5333
              |  ||||||||||   |||||||||       ||    ||    | |||||||  ||||||
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Qy       5334 GCAGTGAGCTGTGACTGCGCCACTGCACTCCAGTCTGGGACAACAGAGCAAGACCCTGTC 5393
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Qy       5394 TTAAAAAAAAAAAGAAAAAAAAATTTTTTTTCTAAGAAGCTGTCC 5438
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Search completed: June 12, 2003, 04:54:41
Job time : 710 secs